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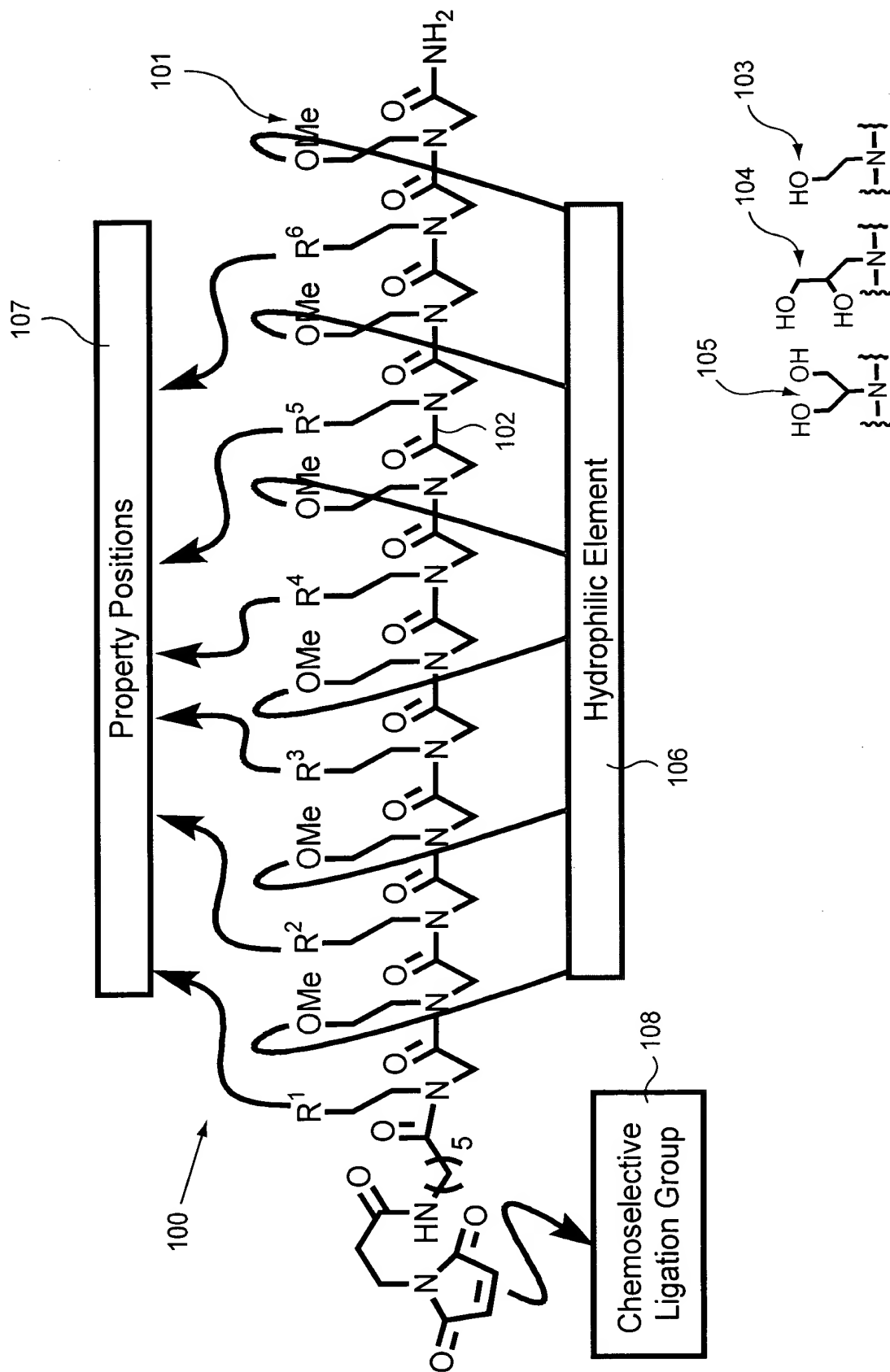
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Alternative Hydrophilic Elements

FIG. 1

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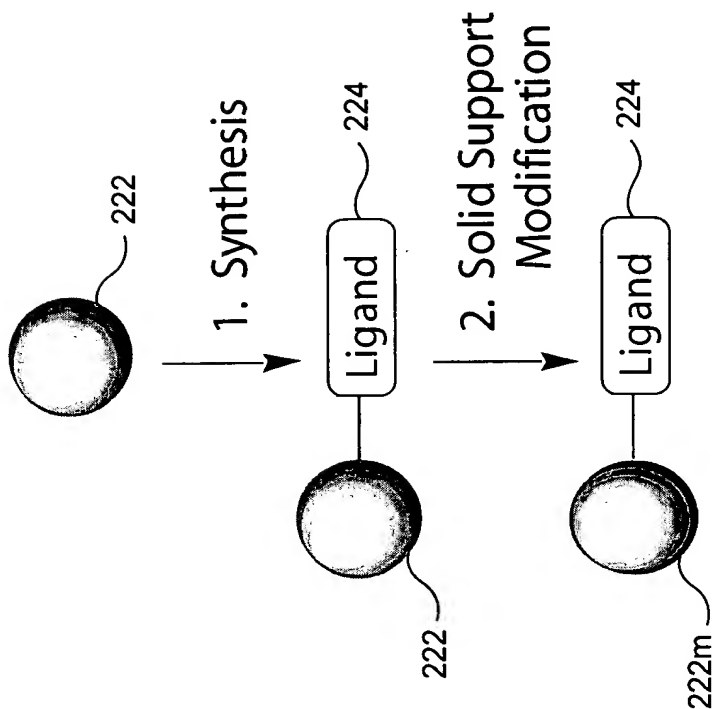


FIG. 2B

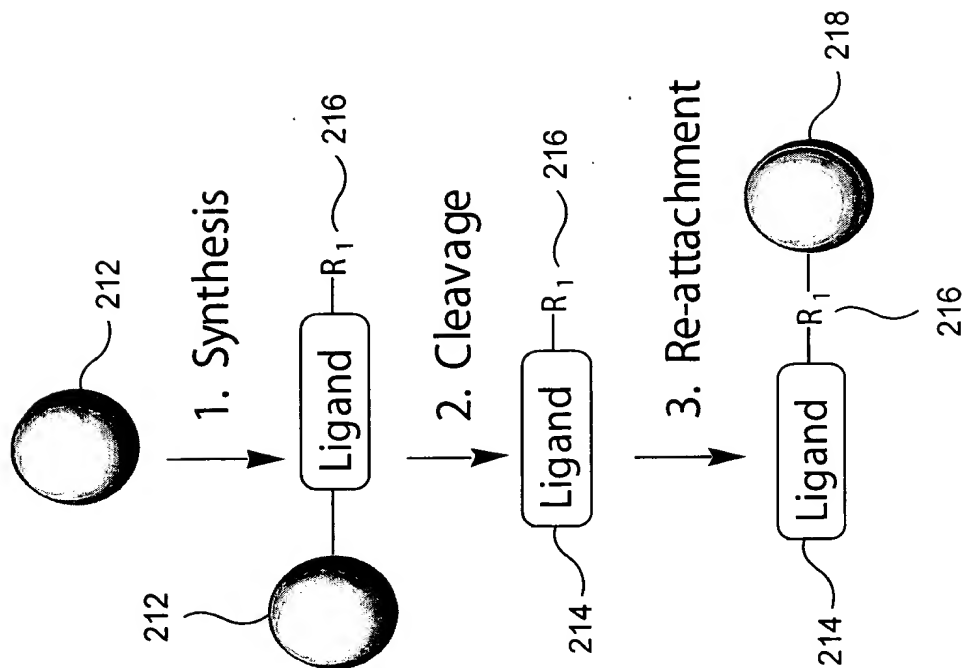


FIG. 2A

# ANIONIC RESINS



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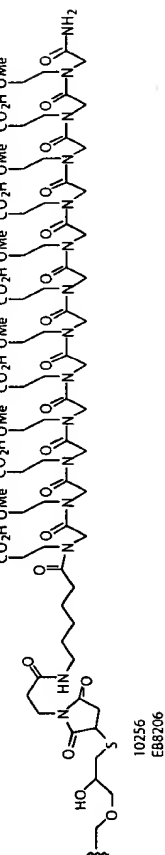
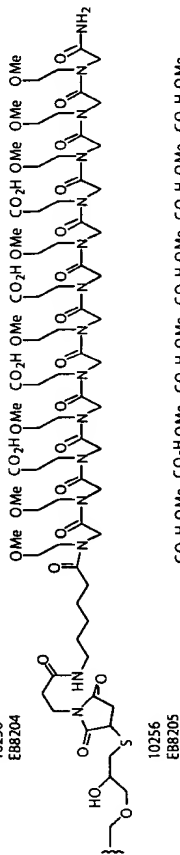
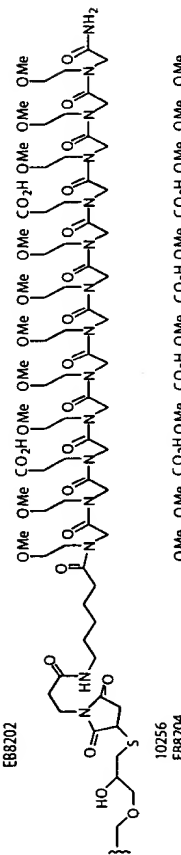
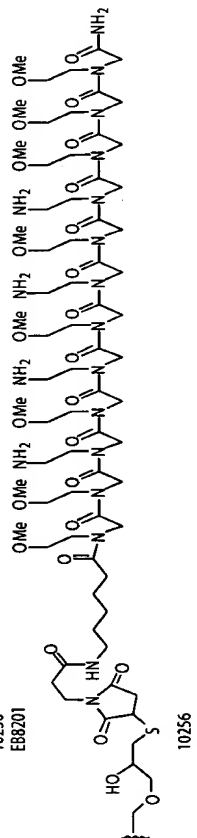
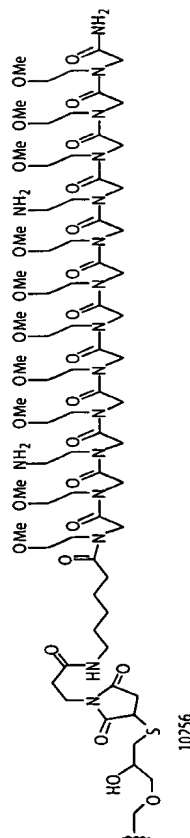
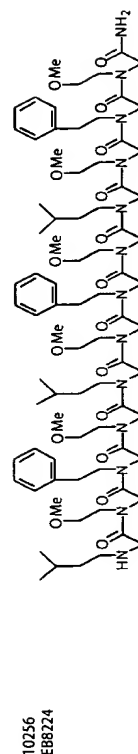
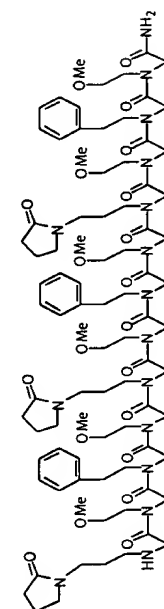
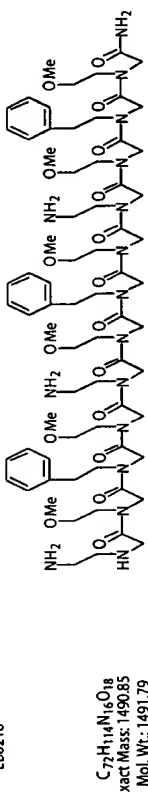
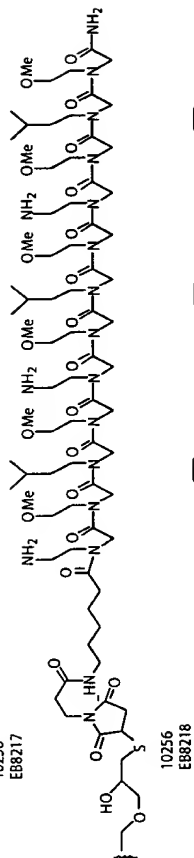
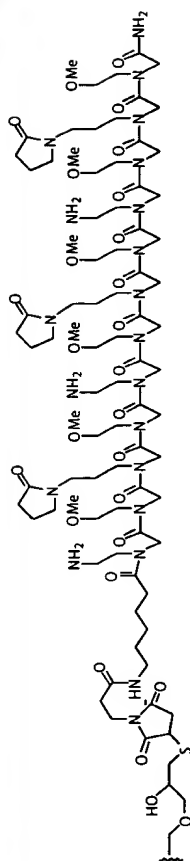


FIG. 3A

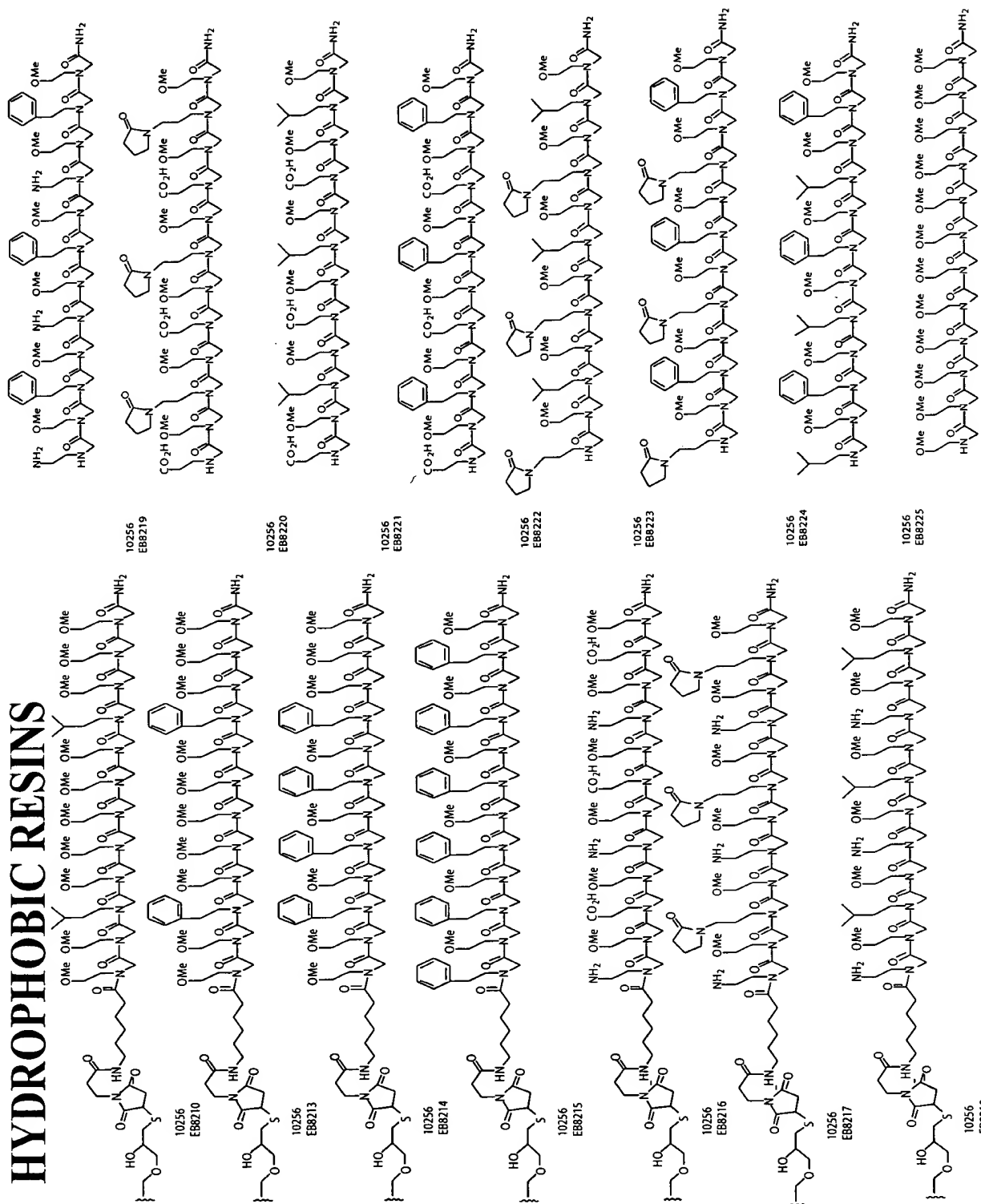


FIG. 3B



# CATIONIC RESINS

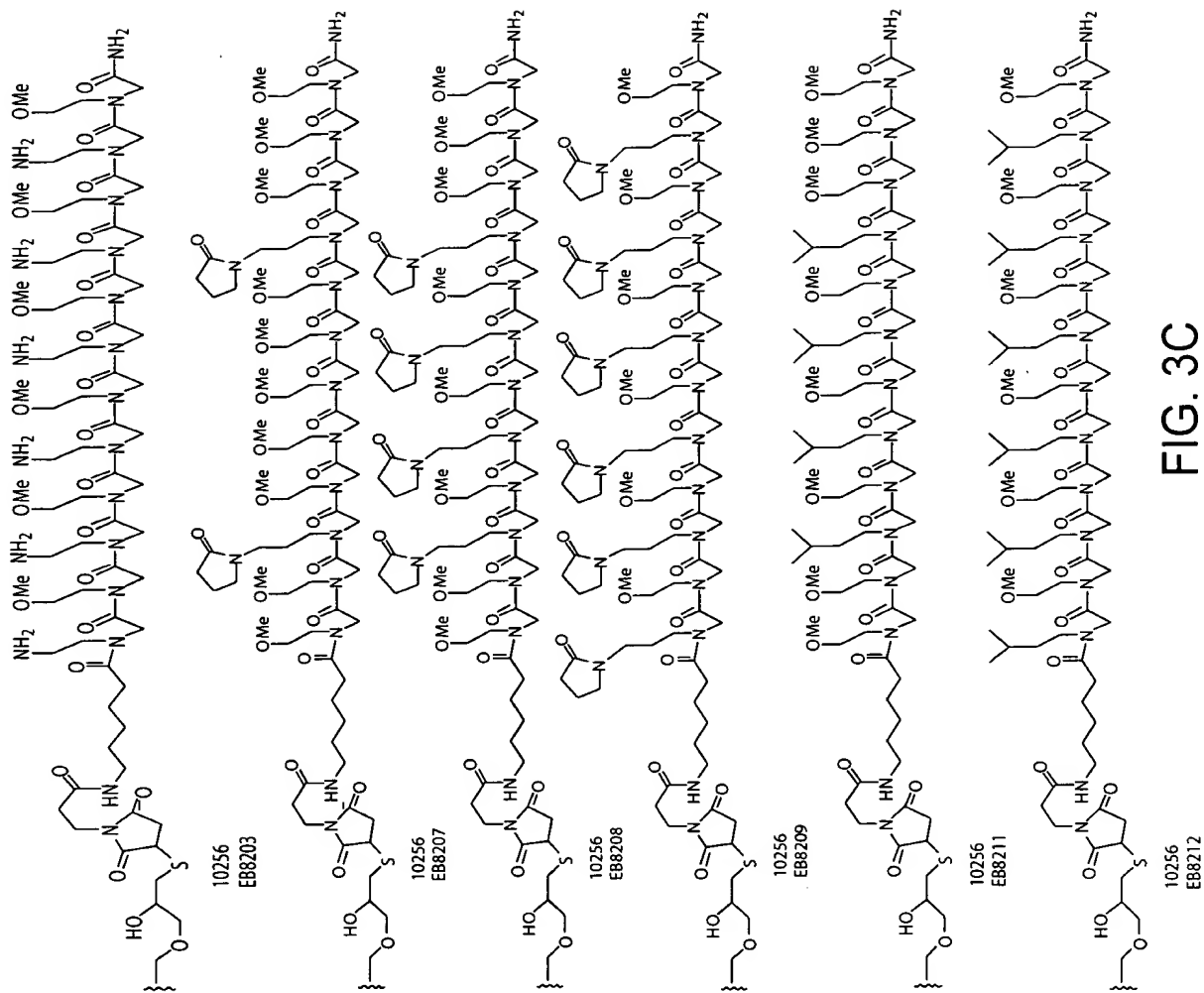


FIG. 3C



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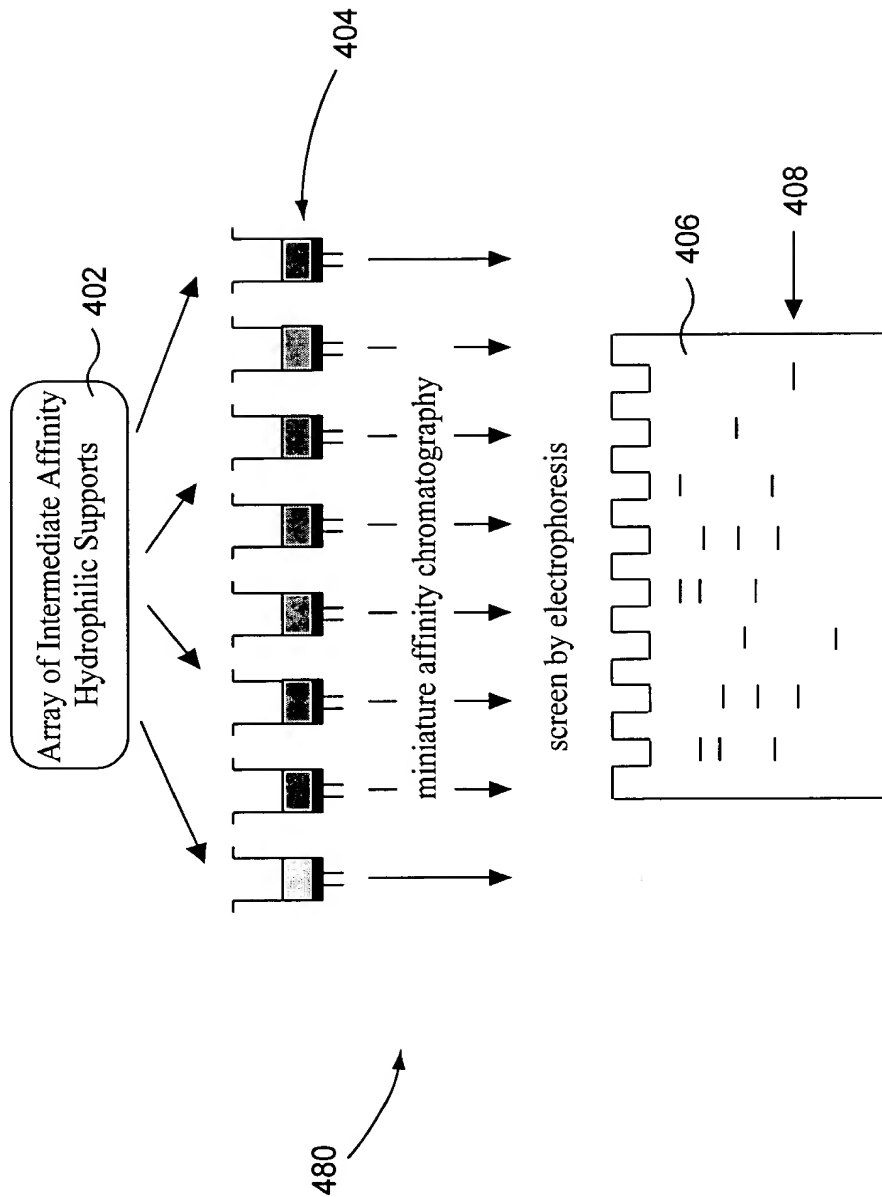


FIG. 4



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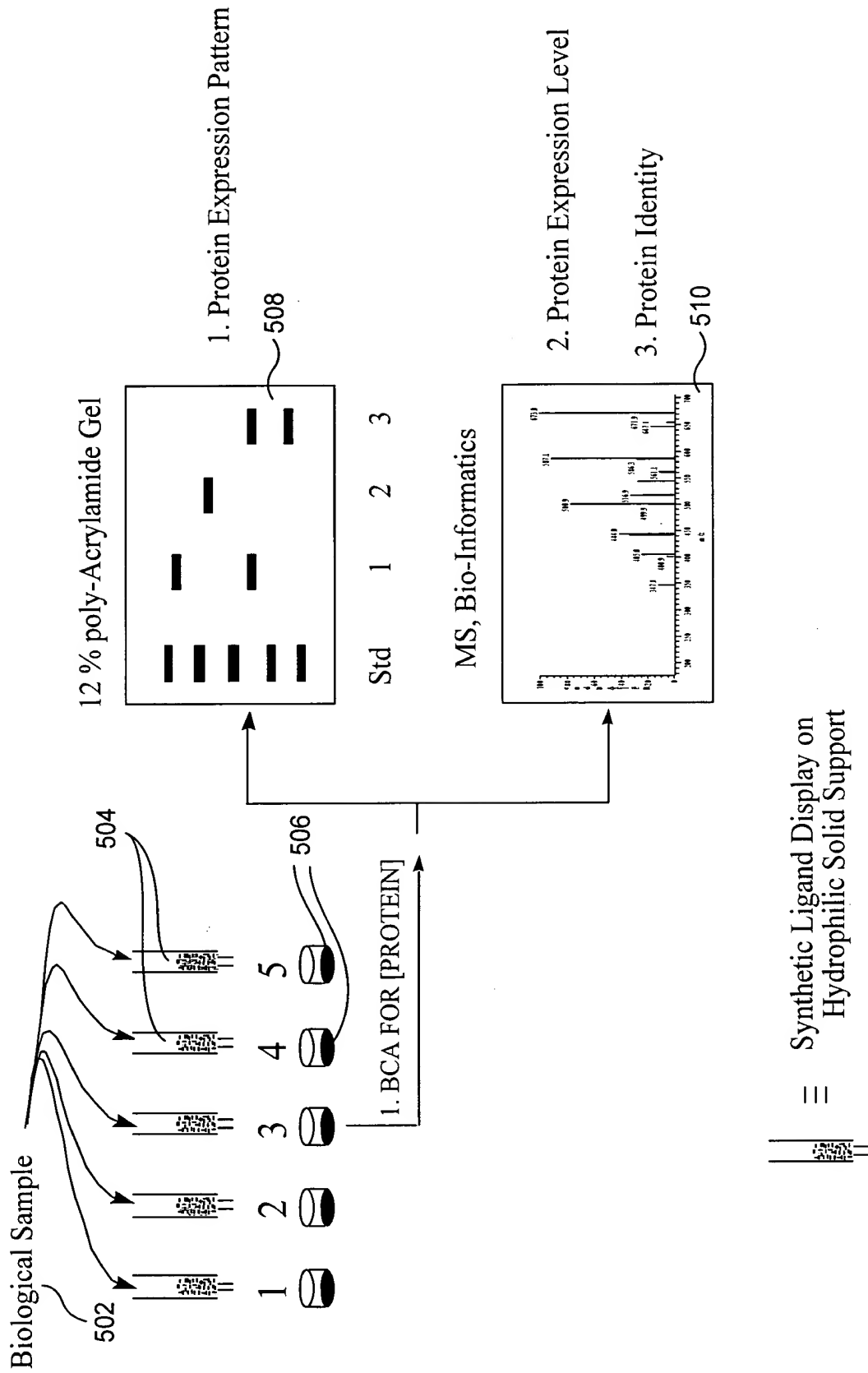


FIG. 5



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- A. Peptoid Synthesis (~400 mg)  
Acylation  
4.25 ml 1.2 M Bromoacetic Acid/DMF  
1.0 ml neat DIC  
1 x 40 minutes @ 35 C  
Displacement  
4.25 ml of 1M amine in NMP  
1 x 40 minutes @ 35 C
- B. Acylation-Deprotection  
1. N-(Fmoc)-Aminohexanoic acid (0.4 M), HOBT (0.4M), DIC (0.44M), @ 35 C, 1hr. Ninhydrin Test  
2. 20% Piperidine in DMF (10 min)
- C. Acylation  
1. 3-Maleimidopropionyl-OSu Ester (0.2 M, 4 eq.) @ 35 C, 1 hr  
Ninhydrin Test
- D. Cleavage-Purification-Addition  
1. 20 % [v/v] TFA/CH<sub>2</sub>Cl<sub>2</sub>, 20 ml, 30 minute, Filtration.  
2. Fast Evaporation using N<sub>2</sub>  
3. 100 % AcOH (4mL) is added and Lyophilized.  
4. 50 % [v/v] CH<sub>3</sub>CN in H<sub>2</sub>O (8mL) is added and Lyophilized  
5. 200 % Mol Peptoid-Maleimide over the molar amount of sulfhydryl to be coupled. Monitoring with Ellman's reagent.

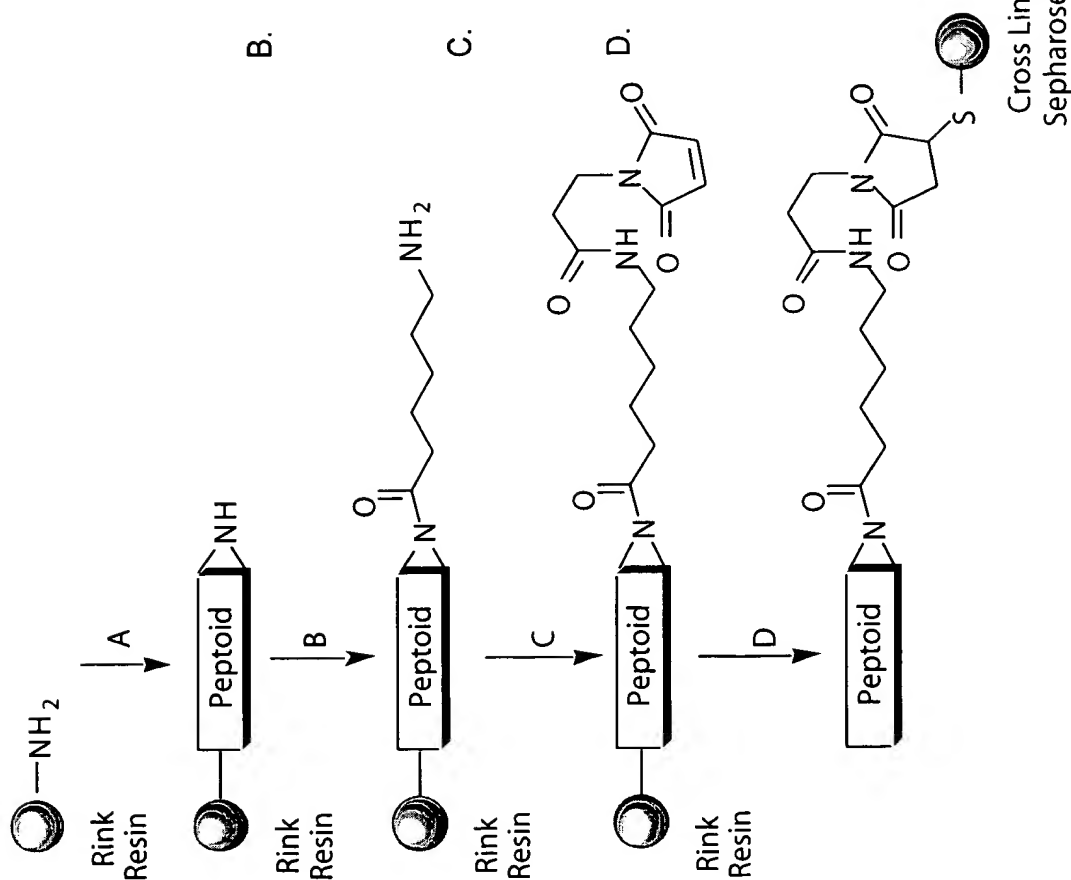


FIG. 6

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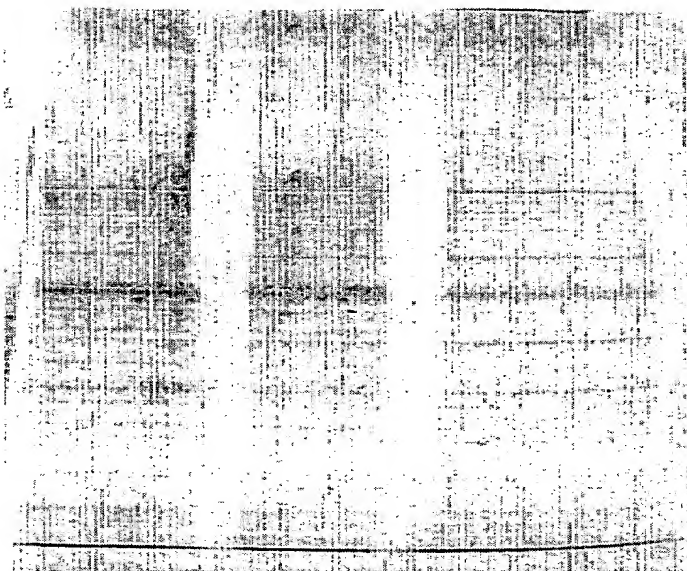


FIG. 7



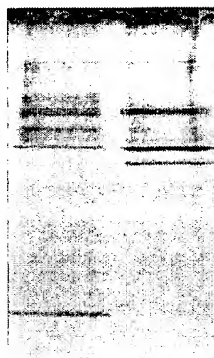
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Whole Cell  
Lysate



100%

8224 8225



7% 11%

FIG. 8



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Protein Differential Display:  
Proteomic differential display of Breast Cancer tissue:  
Low Metastatic Vs. High Metastatic

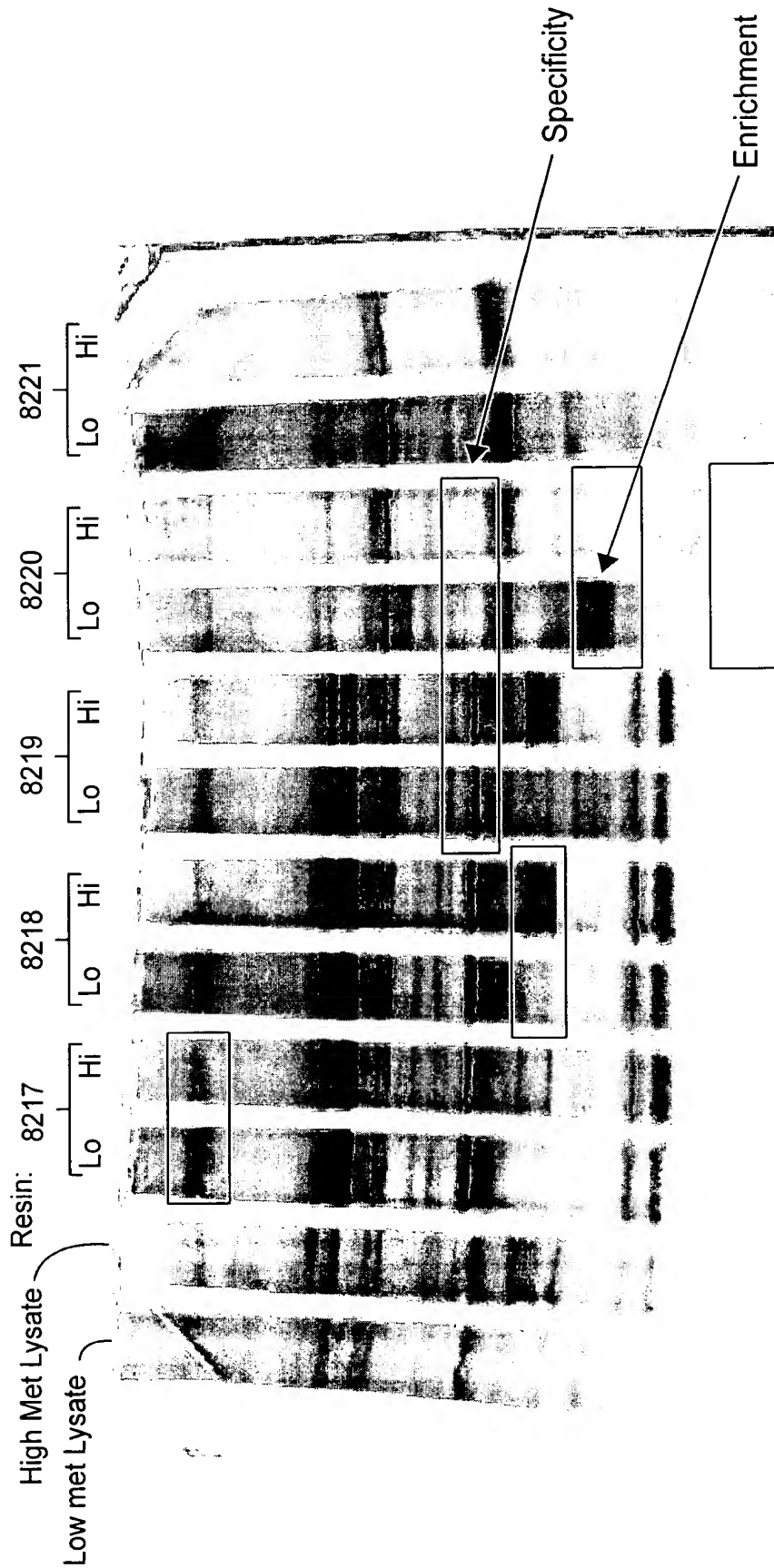


FIG. 9



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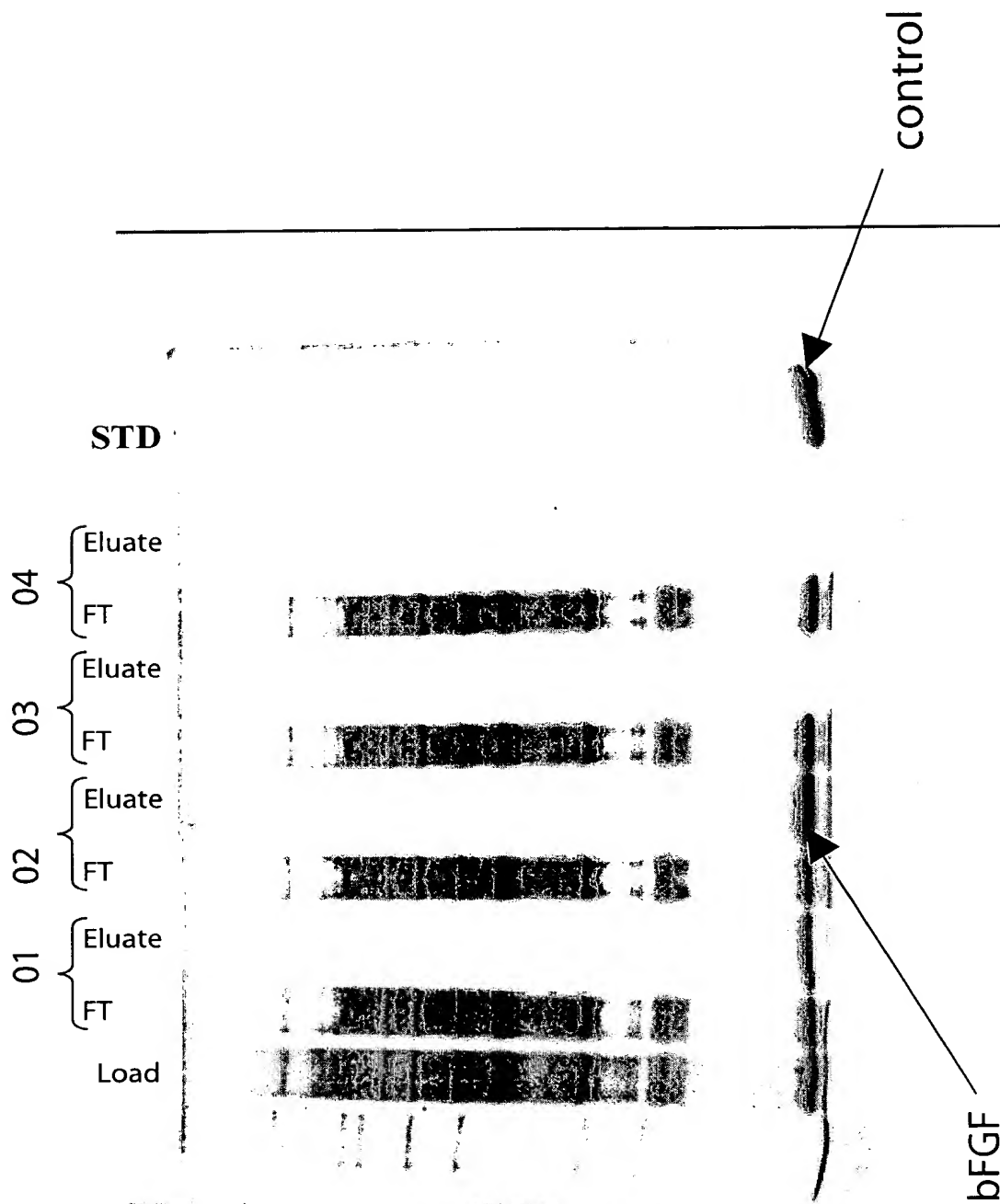


FIG. 10



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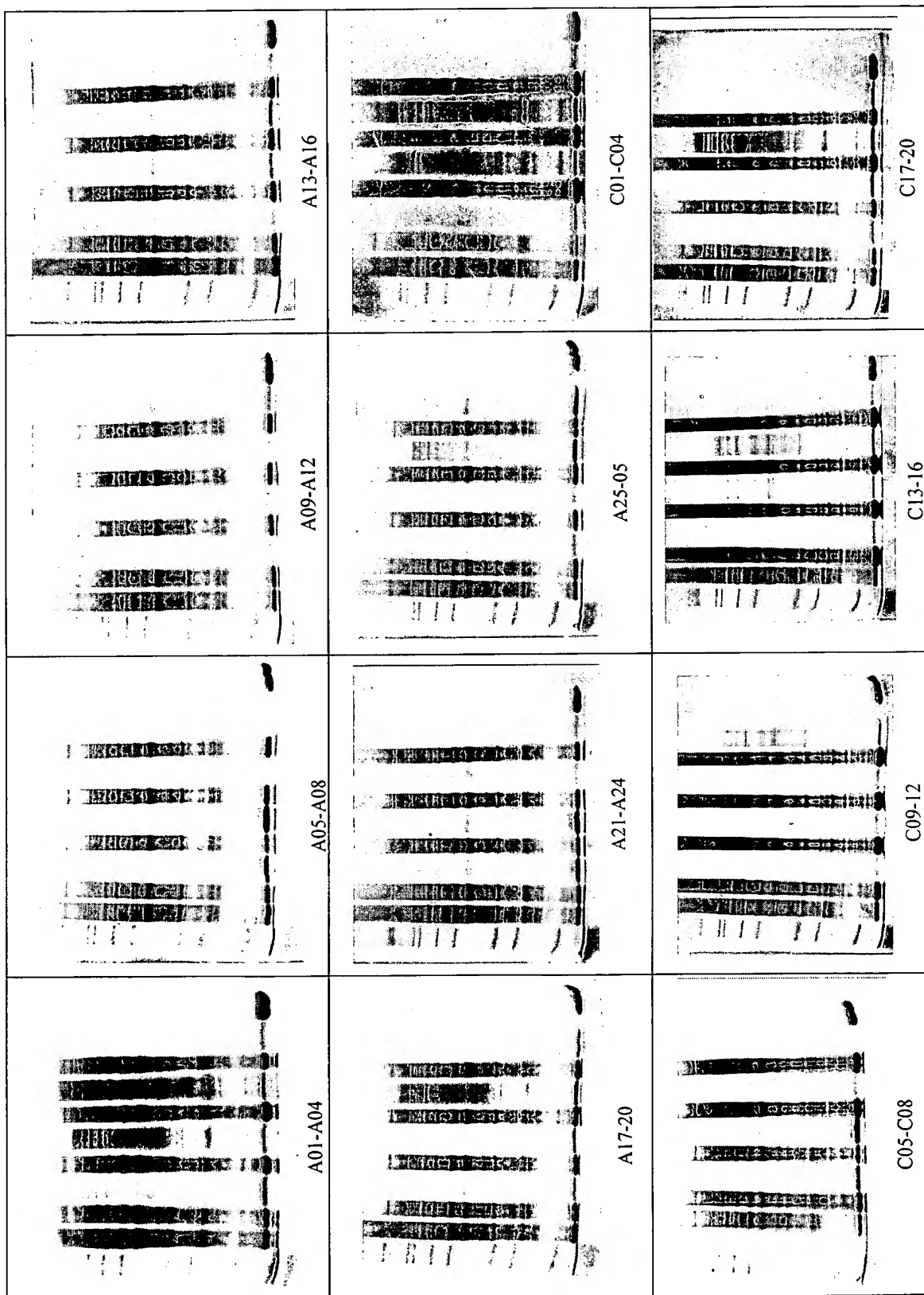


FIG. 11 (1)



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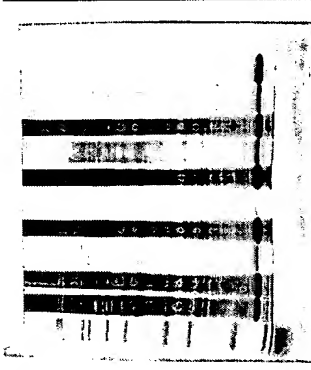
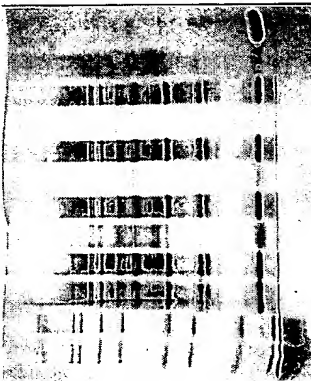
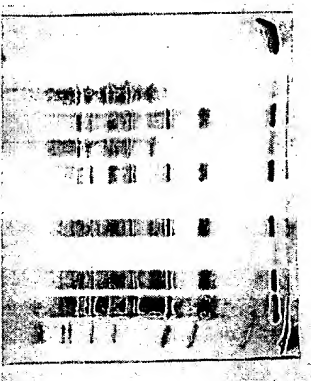
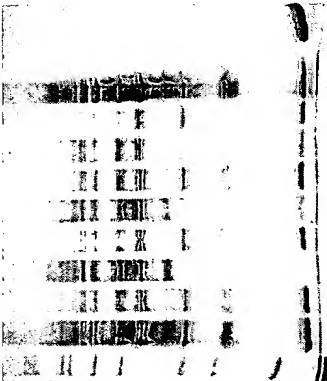
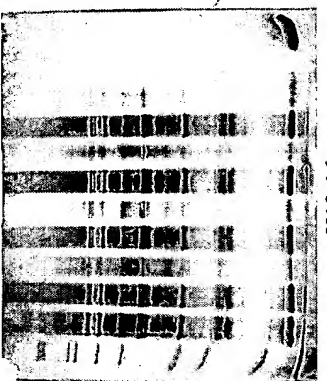

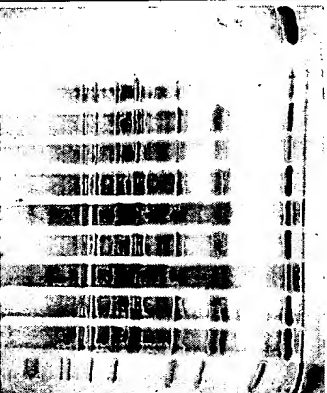
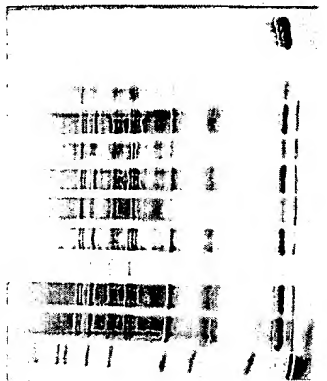
 C20-14	 C25	 H01-04	 H05-08
 H09-12	 H13-16	 H17-20	 H21-24
<p>Legend</p> <p>A means elution under anion exchange conditions.</p> <p>C means elution under cation exchange conditions.</p> <p>H means elution under hydrophobic affinity conditions.</p> <p>Number refers to column number</p>			
<p>Example</p> <p>A01-A04 means that columns 01, 02, 03, 04 were eluted under anion exchange conditions</p>			
 H25			

FIG. 11 (2)